Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Project Division Yelahanka

Name of Work: Improvements to drains and footpath at Tatanagar from 5th cross to 7th cross and other roads in ward No. 08, Kodigehalli

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB M200-24. **Dismantling of cement concrete pavement** by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (P.No. 140, I.No. 18.47)								
	Basic rate	899.00							
	6.00% AW	53.94							
	Loading and unloading with 10km lead=57+2.00x1.30x10 = 83.00	83.00							
	Sub Total	1035.94							
	Vinayaka School Road	1	45.00	4.82	0.20	43.38			
	1st A Main Road	1	69.00	3.54	0.20	48.85			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82.00	5.14	0.20	84.30			
	4th cross Road (Near Sai Baba Temple)	1	80.00	4.45	0.20	71.20			
	Ram Mandir Opp Road	1	75.28	4.19	0.20	63.08			
	Near Kodigehalli Main Road								
	1st Main Road-LHS	1	5.00	6.20	0.20	6.20			
	Connecting Road 2nd cross road to service road-LHS	1	20.00	4.20	0.20	16.80			
						333.81	**Cum**	**1035.94**	**345809.00**
2	KSRRB 300-**Compaction KSRRB 300-58. Compaction** of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No. 147, I.No. 19.64)								
	Basic rate	6.00							
	6.00% AW	0.36							
	Sub Total	6.36							
	Vinayaka School Road	1	45.00	4.82		216.90			
	1st A Main Road	1	69.00	3.54		244.26			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82.00	5.14		421.48			
	4th cross Road (Near Sai Baba Temple)	1	80.00	4.45		356.00			
	Ram Mandir Opp Road	1	75.28	4.19		315.42			
	Near Kodigehalli Main Road								

	1st Main Road-LHS	1	5.00	6.20		31.00			
	Connecting Road 2nd cross road to service road-LHS	1	20.00	4.20		84.00			
						1669.06	**Sqm**	**6.36**	**10,615.22**
3	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.MORTH / Chapter 3(I No-19.1, P No-143)								
	Basic rate	130.00							
	6.00% AW	7.8							
	Sub Total	137.80							
	Loading and unloading with 10km lead=57+2.00x1.28x10 = 82.60	82.60							
	Sub Total	220.40							
	Vinayaka School Road	1	45.00	4.82	0.25	54.23			
	1st A Main Road	1	69.00	3.54	0.25	61.07			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82.00	5.14	0.25	105.37			
	4th cross Road (Near Sai Baba Temple)	1	80.00	4.45	0.25	89.00			
	Ram Mandir Opp Road	1	75.28	4.19	0.25	78.85			
	Near Kodigehalli Main Road								
	1st Main Road-LHS	1	5.00	6.20	0.25	7.75			
	Connecting Road 2nd cross road to service road-LHS	1	20.00	4.20	0.25	21.00			
	UGD Restoration								
	Vinayaka School Road	1	45	2.00	0.20	18.00			
	1st A Main Road	1	69	2.20	0.20	30.36			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82	2.00	0.20	32.80			
	4th cross Road (Near Sai Baba Temple)	1	80	2.00	0.20	32.00			
	Ram Mandir Opp Road	1	75.279	2.350	0.200	35.38			
						565.81	**Cum**	**220.40**	**124703.62**
4	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.155, I.No.20.18 of PW,P&IWTD SR 2018-19)								
	Basic rate	1888.00							

	6.00% AW	113.28							
	Sub Total	2001.28							
	For UGD Restoration								
	UGD Restoration								
	Vinayaka School Road	1	45.00	2.00	0.30	27.00			
	1st A Main Road	1	69.00	2.20	0.30	45.54			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82.00	2.00	0.30	49.20			
	4th cross Road (Near Sai Baba Temple)	1	80.00	2.00	0.30	48.00			
	Ram Mandir Opp Road	1	75.28	2.35	0.30	53.07			
						222.81	**Cum**	**2001.28**	**445908.59**
5	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-13,I No-4.2)								
	Basic rate	5194.00							
	6.00% AW	311.64							
	Sub Total	5505.64							
	Vinayaka School Road	1	45.00	4.82	0.185	40.13			
	1st A Main Road	1	69.00	3.54	0.185	45.19			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82.00	5.14	0.185	77.97			
	4th cross Road (Near Sai Baba Temple)	1	80.00	4.45	0.180	64.08			
	Ram Mandir Opp Road	1	75.28	4.19	0.180	56.78			
	Near Kodigehalli Main Road								
	1st Main Road-LHS	1	5.00	6.20	0.17	5.34			
	Connecting Road 2nd cross road to service road-LHS	1	20.00	4.20	0.180	15.12			
						304.60	**Cum**	**5505.64**	**1677027.37**
6	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., for all super structure works with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges)- Ready Mixed Concrete M-20 (P No 19, I No 4.49.10 SR PWD 2018-19)								
	Basic rate	5444.00							
	6.00% AW	326.64							
	Sub Total	5770.64							
	Vinayaka School Road	1	45.00	4.82	0.15	32.54			
	1st A Main Road	1	69.00	3.54	0.15	36.64			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82.00	5.14	0.15	63.22			
	4th cross Road (Near Sai Baba Temple)	1	80.00	4.45	0.15	53.40			

	Ram Mandir Opp Road	1	75.28	4.19	0.15	47.31			
	Near Kodigehalli Main Road								
	1st Main Road-LHS	1	5.00	6.20	0.15	4.65			
	Connecting Road 2nd cross road to service road-LHS	1	20.00	4.20	0.15	12.60			
						250.36	**Cum**	**5770.64**	**1444730.80**
7	**Vaccum de-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.176, I.No. 22.7)								
	Basic rate	68.00							
	6.00% AW	4.08							
	Sub Total	72.08							
	Vinayaka School Road	1	45.00	4.82		216.90			
	1st A Main Road	1	69.00	3.54		244.26			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82.00	5.14		421.48			
	4th cross Road (Near Sai Baba Temple)	1	80.00	4.45		356.00			
	Ram Mandir Opp Road	1	75.28	4.19		315.42			
	Near Kodigehalli Main Road								
	1st Main Road-LHS	1	5.00	6.20		31.00			
	Connecting Road 2nd cross road to service road-LHS	1	20.00	4.20		84.00			
						1669.06	**Sqm**	**72.08**	**120305.77**
8	Providing **groove cutting** for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. - for concrete pavement (P.No.176, I.No. 22.8)								
	Basic rate	135.00							
	6.00% AW	8.1							
	Sub Total	143.10							
	Vinayaka School Road	1	45.00			45.00			
	1st A Main Road	1	69.00			69.00			
	1st C/S Road (RHS from 1st A Mn rd to Rly track)	1	82.00			82.00			
	4th cross Road (Near Sai Baba Temple)	1	80.00			80.00			
	Ram Mandir Opp Road	1	75.28			75.28			
	Near Kodigehalli Main Road								
	1st Main Road-LHS	1	5.00			5.00			
	Connecting Road 2nd cross road to service road-LHS	1	20.00			20.00			
						376.28	**mtr**	**143.10**	**53,845.52**

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	A.Total Construction Cost								4222946.72
6	B.Cost towards PMC / Third Party inspection LS=A*2%								84,458.93
7	C.Cost towards 12% GST=(A+B)*12%								516888.68
8	D.Cost towards 3% KRIDL Charges+ 1% CESS=(A*4%)								168918.00
	E.Sub Total=(A+B+C+D)								4993212.33
9	F.Miscellaneous and rounding off								6,787.67
	G.Total =(E+F)								5000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Project Division Yelahanka
BBMP Bangalore

Asst. Executive Engineer,
Project Division Yelahanka
BBMP Bangalore

Executive Engineer,
Project Division Yelahanka
BBMP Bangalore
12/K/18

Administrative Approval

Accorded For Rs. 50.00 Lakhs
Head of A/C. P-3296
CER NO :.....14..... Dt:.30/11/18

E.E. (Project) 30/11

Technical Sanction

Accorded For Rs 50.00 lakhs only
Head of A/C. P 3296
CER NO :TS/108/18-19 Dt:30.11.18

[TA] CE (YNK)